SECTION 3: Machine Overview

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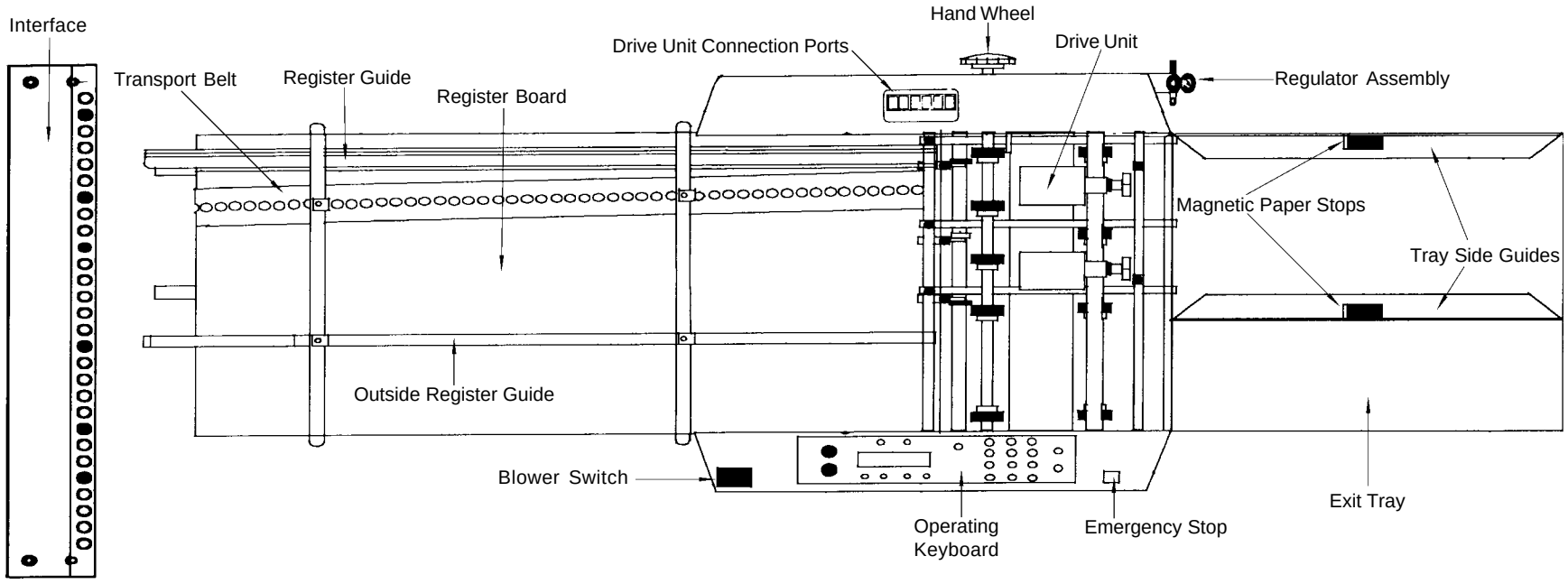
Machine Overview

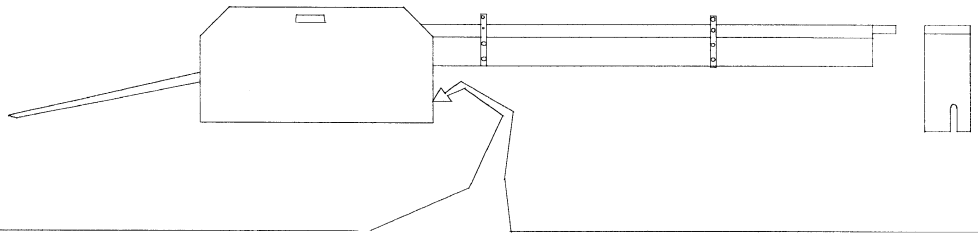
1. Top View



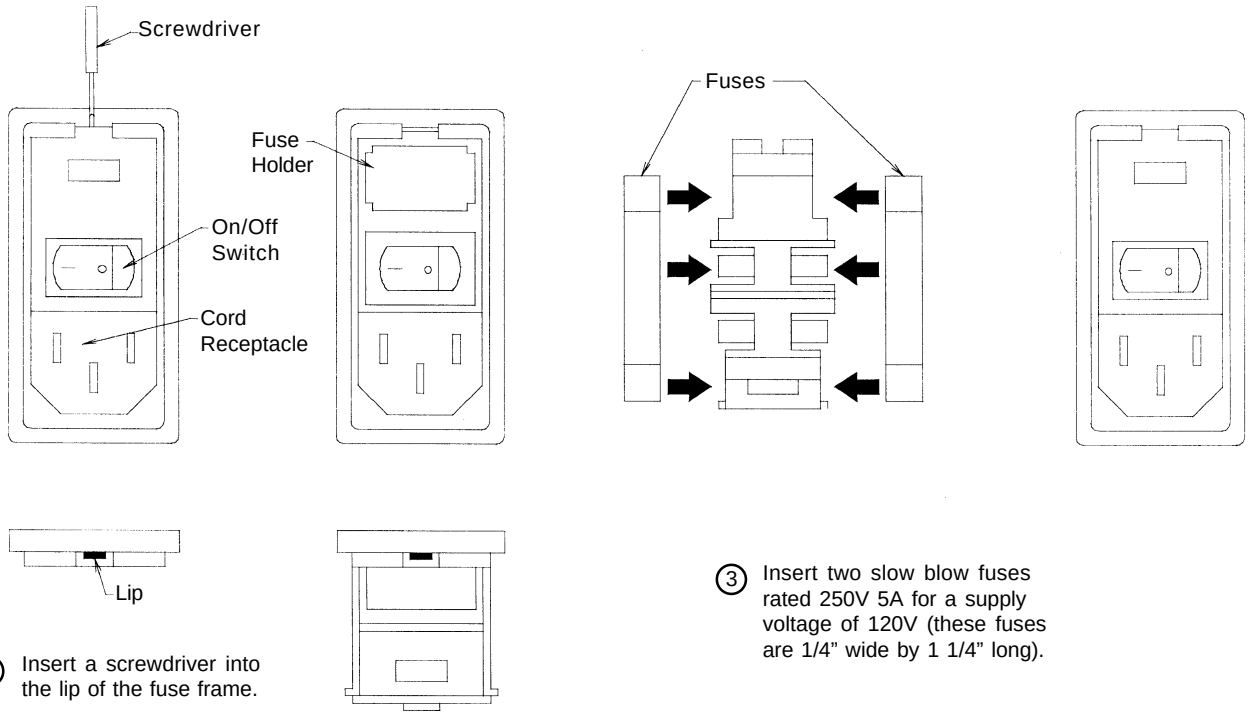
2. Power Supply

The power switch module is located underneath the Register Board on the back right of the non-operator-side panel. It also houses the main fuse.

Before connecting the power cord to a wall receptacle, make certain the supply voltage matches the machine voltage. Voltage is indicated on the sticker containing the serial number of the machine. If there are any discrepancies, please contact your dealer before plugging in the machine.



Changing the Fuse in the Switch Module



① Insert a screwdriver into the lip of the fuse frame.

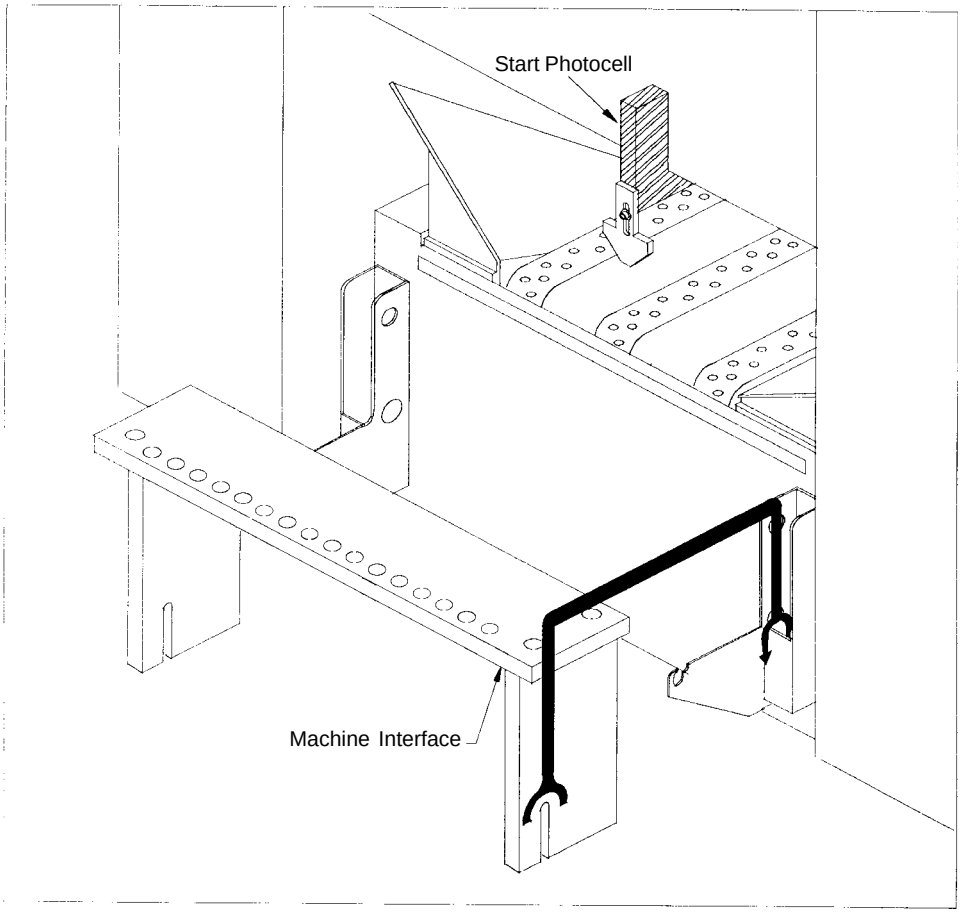
② Open the fuse frame door and pull out the red fuse holder.

③ Insert two slow blow fuses rated 250V 5A for a supply voltage of 120V (these fuses are 1/4" wide by 1 1/4" long).

3. Machine Interface

The Machine Interface allows the PS8050 to be aligned with the Risograph. To install it, remove the Risograph's receiving tray and replace it with the interface. The interface mounts right on the Risograph's existing receiving tray bracket.

The next step is to connect the PS8050 to the Risograph. Make sure the two units are lined up correctly. Then, lift up the Register Board of the PS8050 and set it onto the Machine Interface. Two posts on the underside of the Register Board should set down into the holes on the interface. Choosing to drop the posts of the Register Board into different interface holes allows you to adjust for various paper sizes.



4. Start-Photocell Bracket

The Start Photocell mounts magnetically onto the Risograph directly above the exit area. Its purpose is to detect paper exiting from the Risograph and automatically turn on the PS8050 to process the job. The "5" digit on the numeric keypad can be used to toggle the Start Photocell on and off if necessary.

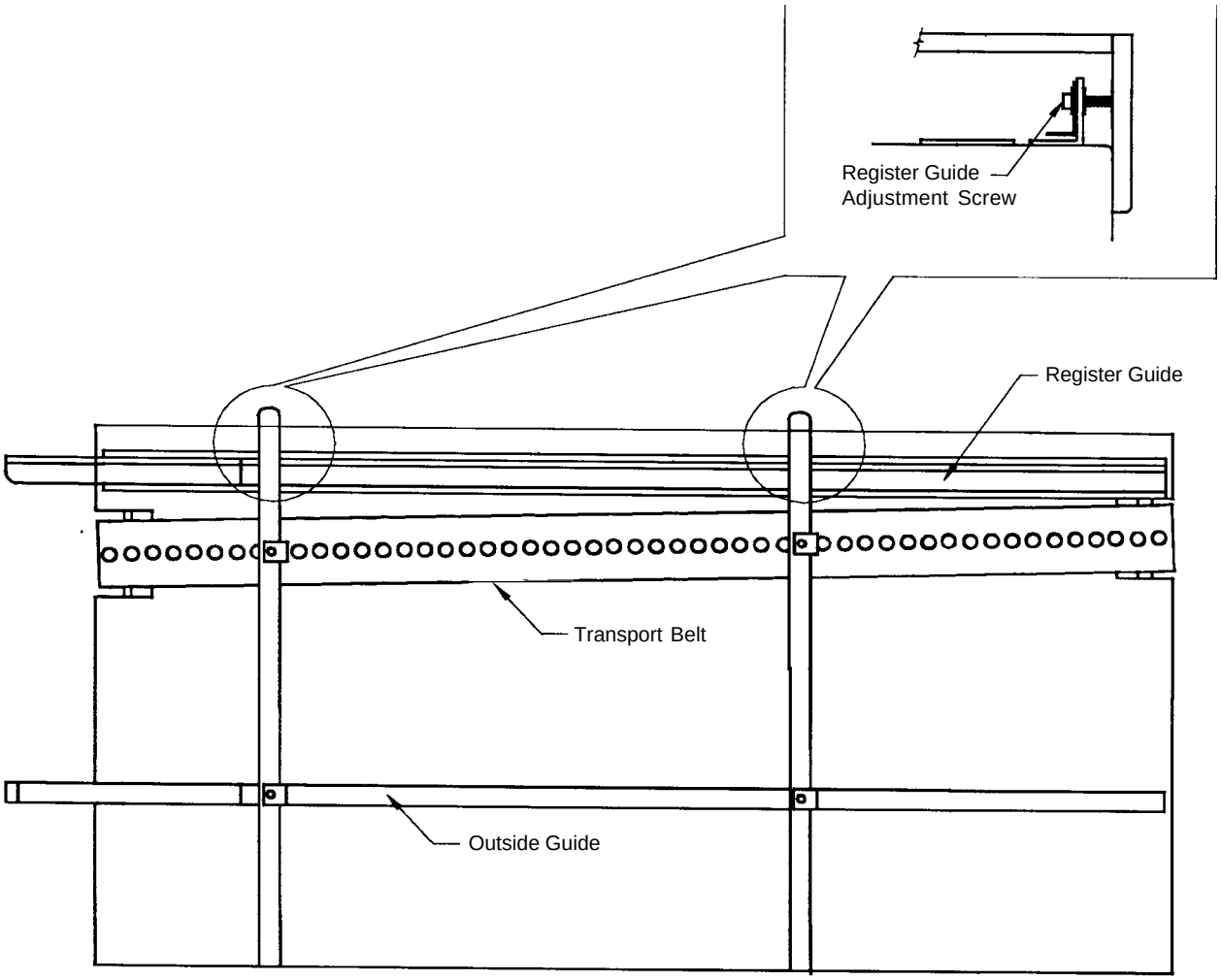
5. Register Board

Once stock has exited the Risograph and been detected by the Start Photocell, it lands on the Register Board where it is pulled to a common edge. This ensures that all stock enters the perf, score, slit, and numbering area in the same position.

The stock is drawn down to the Register Board by means of suction through holes in the Transport Belt. This suction is created by a suction fan that has two settings. The high setting should be used for heavier stocks and the low setting for lighter stocks. Switch location is operator side, left side-panel.

To correct for feed skew or unevenly cut stock, there are two Register Guide Adjustment Screws. These are located on the Register Board directly underneath the two square support shafts. By turning these screws you can adjust the pitch of the Register Guide and correct stock travel into the machine. Also, you can micro-adjust your numbering position without having to move the numbering head.

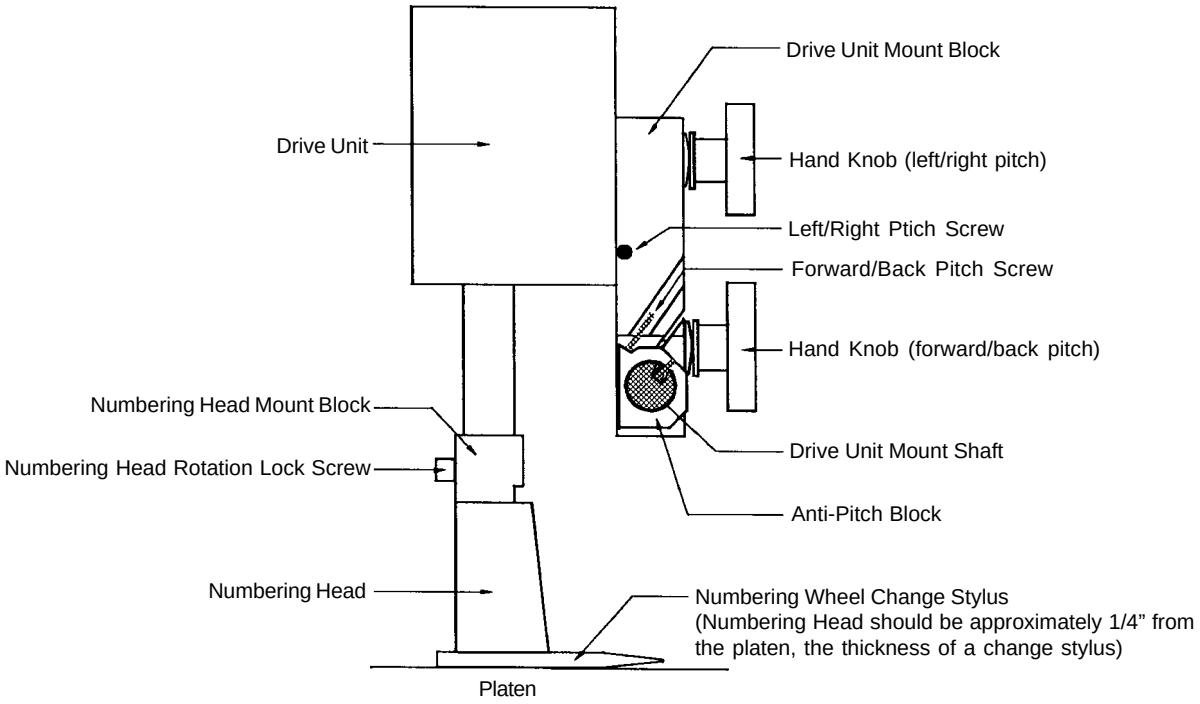
Lastly, along the outside edge of the stock being run, there is an Outside Guide. This keeps the stock flat as it travels along the Register Board.



6. Numbering Heads

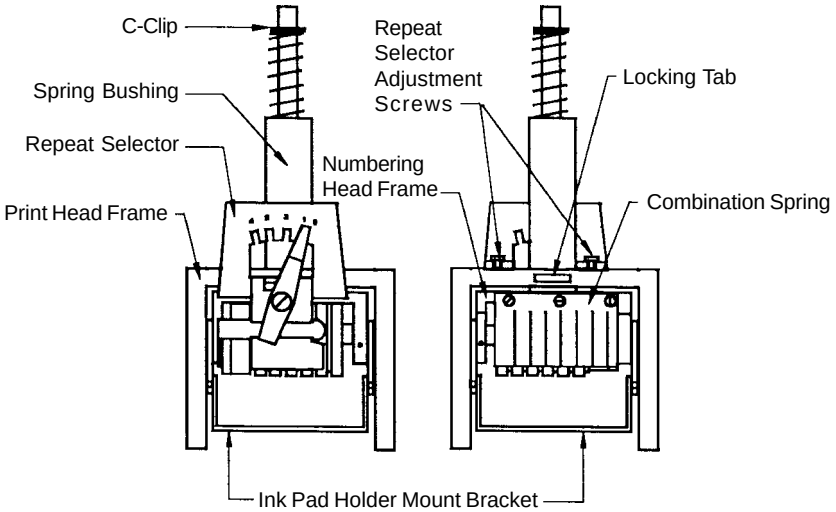
To install a Numbering Head, attach the Drive Unit to the Drive Unit Mount Block. Use the two provided washers and secure it with the Hand Knob. Make sure the screw cap on the back of the Drive Unit fits into the cavity on the Drive Unit Mount Block so that the rubber plug provides some pressure against the screw cap. You may have to back out the Left/ Right Pitch Screw to do this. Plug the Drive Unit cord into the appropriate receptacle on the non-operator side cover to complete installation.

Note: Numbering Heads ship secured to the Drive Unit by two screws. These are attached through the Numbering Head Mount Block. The height of the Numbering Head has been factory set and it is critical to the proper functioning of the numbering system that this setting be maintained (this distance is approximately 3" or the length of a Numbering Wheel Change Stylus).


Drive Unit Mount Block
Drive Unit
Hand Knob (left/right pitch)
Left/Right Ptich Screw
Forward/Back Pitch Screw
Hand Knob (forward/back pitch)
Numbering Head Mount Block
Numbering Head Rotation Lock Screw
Drive Unit Mount Shaft
Anti-Pitch Block
Numbering Head
Numbering Wheel Change Stylus
(Numbering Head should be approximately 1/4" from the platen, the thickness of a change stylus)
Platen

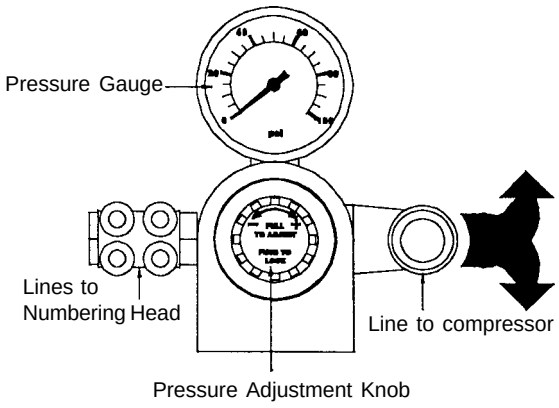
By loosening the Numbering Head Rotation Screw (use the large hexdriver provided), the Numbering Heads can be adjusted for 360° operation. Simply rotate the Numbering Head to the desired position and then retighten the screw.

The Numbering Head comes standard with six Numbering Wheels of which the last two are drop wheels. The first 5 digits are activated automatically. The 6th digit (and 7th if an optional 7th wheel is installed) must be changed manually. Letter prefix wheels (A-J;K-R;S-Z) and character prefix wheels are also available. Pre-inked pads can be purchased in red or black and will supply you with approximately 10,000 impressions.



7. Regulator Assembly

Attach the Regulator Assembly to the Regulator Assembly Bracket using the provided ring nut. Connect the compressor hose and Numbering Head Supply Hoses. The optimum pressure setting is 45-60 psi.

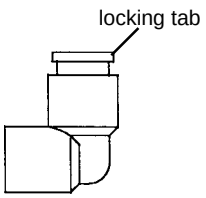


Note: Pull up on the Pressure Adjustment Knob to adjust pressure. Push down on the knob to lock in a setting.

Numbering Head Supply Hose Installation

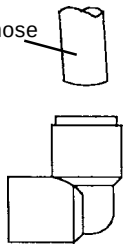
1

In its normal position, the blue locking tab will be pushed out.



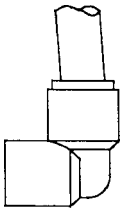
2

Push the locking tab down.



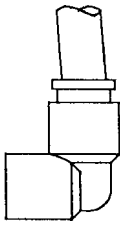
3

Insert the hose. Push it down as far as it will go.



4

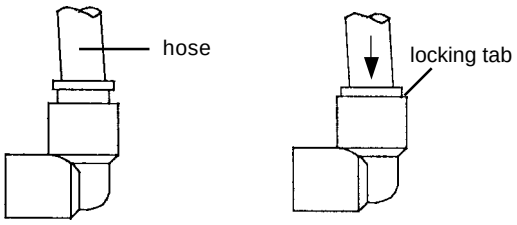
Pull up on the hose to lock it in place.



Numbering Head Supply Hose Removal

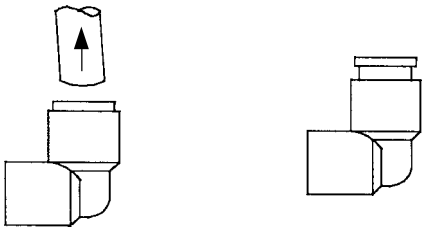
1

Push down on the hose until the blue Locking Tab is down all the way.



2

Hold the Locking Tab down with your thumb while pulling up on the hose.



8. PS8050 Quality Control Sheet

Dealer Name: _____ **Date:** _____
Service Rep.: _____ **Serial Number:** _____
Install Location: _____

Area Code	Area
A	Covers
B	Start Photocell
C	Interface
D	Register Board
E	Register Guides
F	Idler Wheels
G	Boss Wheels
H	Accessory Holder
I	Strippers
J	Main Rollers
K	Photocell
L	Numbering Head
M	Air Pressure Regulator
N	Receiving Tray
O	PCB's

Error Code	Error Type
1	Cleaning
2	Electrical Adjustment
3	Mechanical Adjustment
4	Part Replacement (missing or shipping damage)
5	Other

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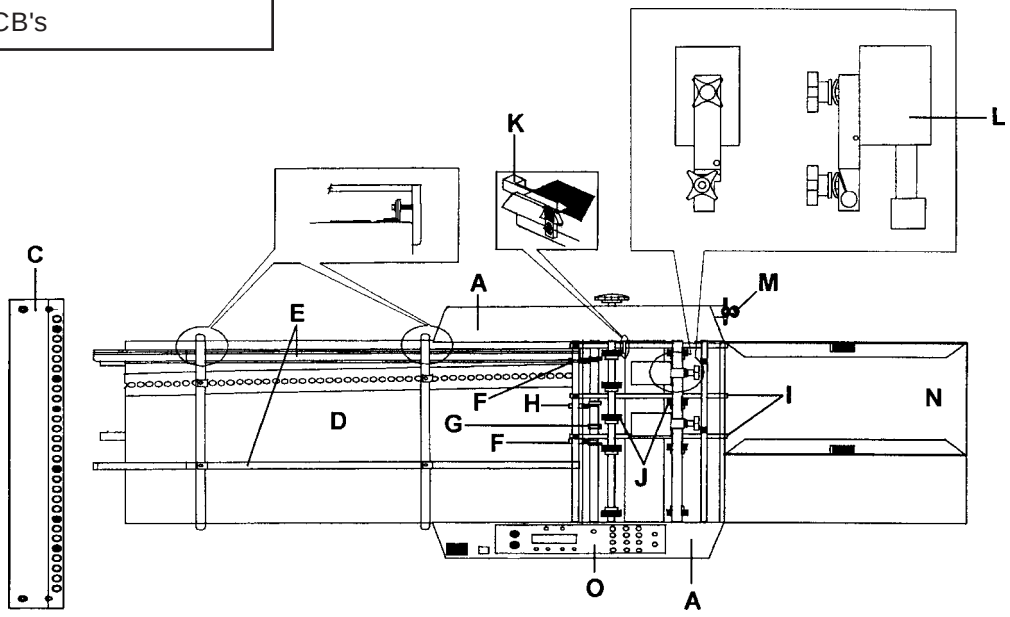
Description of Problem: _____